IN THE CLAIMS

1. (Currently Amended) A method of coating a substrate ~~coating composition for applying to substrates~~ subject to incursion of moisture with a coating composition to resist moisture penetration into the substrate coated with the coating, the method comprising:

applying to a surface of the substrate a coating composition, the coating composition prepared by a process comprising:

heating and blending together a mixture comprising waxes and paraffins and dispersing powdered metal, metal oxide, or metal carbide throughout the mixture; and

cooling the mixture to form a waxy solid substantially free of entrained gasses with powdered metal, metal oxide or metal carbide dispersed therein; and

forming a homogeneous coating on the substrate surface ~~wherein the waxy solid is substantially free of entrained gasses; wherein~~ without need to apply heating ~~need not be applied to render a coating of the composition homogeneous when applied to a substrate; and wherein~~ so that moisture incursion into the coated substrate is reduced by at least about 50% as compared to an uncoated substrate under the same temperature and moisture conditions.

2. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the mixture comprises a mixture of beeswax and paraffins.

3. (Currently Amended) The method ~~coating composition~~ of claim 2, wherein the paraffins comprise primarily aliphatic hydrocarbons having chain lengths in the range from about 18 to about 36 carbon atoms.

4. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the metal comprises aluminum.

5. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the metal oxide comprises titanium oxide or aluminum oxide.

6. (Currently Amended) The method ~~coating composition~~ of claim 2, wherein the metal comprises aluminum.

7. (Currently Amended) The method ~~coating composition~~ of claim 2, wherein the metal oxide comprises titanium oxide or aluminum oxide.

8. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the mixture, before addition of powdered metal or metal oxide, has a melting point in the range of about 120 to 200°F.

9. (Cancelled) ~~The coating composition of claim 1, wherein, the composition cools to ambient temperature substantially free of occlusion of gas bubbles.~~

10. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the composition is a solid at temperatures in the range below about 140°F, and liquefies upon heating to a temperature in the range from about 170 to about 190°F.

11. (Currently Amended) The method ~~coating composition~~ of claim 10, wherein the applying comprises applying a liquefied composition ~~physical properties of the liquefied composition enable application of the composition to a surface~~ by spraying, painting with a brush or applying with a roller.

12. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the powdered metal or metal oxide or metal carbide comprises a sufficient amount to permit uniform heating of a mass of the composition, and to provide such internal compression of a mass of the composition upon cooling as to substantially exclude occluded gasses from a cooled mass.

13. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the amount of powdered metal or metal oxide in the mixture comprises from about 5 to about 15 wt. %, based on the weight of the mixture.

14. (Currently Amended) The method ~~coating composition~~ of claim 1, wherein the applying comprises applying to ~~when coated onto~~ a composite material subject to moisture absorption under hot and wet ambient conditions, and the formed coating ~~composition~~ reduces moisture absorption by from about 60 to about 100% as compared to an uncoated composite.

15. (Currently Amended) A method of coating a composite with a composition resistant to penetration by moisture, the composition substantially preventing moisture absorption into a composite otherwise subject to moisture absorption under hot and wet ambient conditions, the method comprising:

applying to a surface of the composite a ~~the~~ composition comprising:

a) a mixture of esters of fatty acids and aliphatic hydrocarbons having a melting point in the range from about 170 to about 190°F; and

b) a powdered additive in sufficient amount to permit uniform heating of a mass of the composition and to provide compression of a mass of the composition upon cooling sufficient to substantially exclude occluded gasses from a cooled mass;

forming a coating on the composite surface without need to heat the applied composition ~~wherein the composition comprises a waxy solid at room temperature; and wherein when the molten composition is applied to a substrate to form a coating, the coating does not require heating~~ to render the coating homogeneous.

16. (Currently Amended) The method ~~coating composition~~ of claim 14, wherein the mixture comprises paraffins and waxes, the paraffins primarily having a chain length of from about 18 to about 36 carbon atoms.

17. (Currently Amended) The ~~coating composition~~ method of claim 15, wherein the powdered additive is selected from the group consisting of powdered metals, metal carbides and metal oxides.

18. (Currently Amended) The ~~coating composition~~ method of claim 16, wherein the powdered additive comprises powdered aluminum comprising particulates in the range from about 25 to about 60 microns.

19. (Currently Amended) The ~~coating composition~~ method of claim 17, wherein the powdered additive is selected from aluminum and titanium oxide.

20. (Currently Amended) The ~~coating composition~~ method of claim 14, wherein the composition ~~comprising~~ comprises a solid at ambient temperatures in the range below about 140°F.

21. (Currently Amended) The ~~coating composition~~ method of claim 14, wherein the forming of a coating ~~when coated~~ onto a composite material ~~subject to moisture absorption under ambient conditions of temperature and humidity, the composition~~ forms a coating that reduces moisture absorption by from about 60 to about 100%.